bs-4563R

[Primary Antibody]

Bcl-2 Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 596 **SWISS:** P10415

Target: Bcl-2

Immunogen: KLH conjugated synthetic peptide derived from human Bcl-2:

161-239/239.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears to function in several subcellular locations yet lacks any known motifs that would confer insight into its mechanism of action (6,7). A more recently identified protein, designated Bax p21(i.e., Bcl-associated X protein), has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2(8). Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activty of Bcl-2(8).

Applications: Flow-Cyt (1µg/Test)

ICC/IF (1:100-500)

Reactivity: Human, Mouse

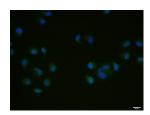
(predicted: Rat)

Predicted 26 kDa MW.:

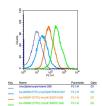
Subcellular Cell membrane ,Cytoplasm

Location: Nucleus

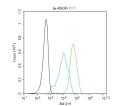
VALIDATION IMAGES



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min: Antibody incubation with (Bcl-2) polyclonal Antibody, Unconjugated (bs-4563R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: mouse splenocytes(blue) Isotype Control Antibody: Rabbit IgG(orange); Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA; Primary Antibody Dilution: 1μl in 100 μL1X PBS containing 0.5% BSA(green).



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% icecold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-Bcl-2 antibody (bs-4563R): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=15.153] Xu Chen. et al. Chiral Ruthenium Nanozymes with Self-Cascade Reaction Driven the NO Generation Induced Macrophage M1 Polarization Realizing the Lung Cancer "Cocktail Therapy". SMALL. 2023 Apr;:2207823 WB ;Mouse. 37029560
- [IF=11.357] Sinuo Tian. et al. Widening the Lens on Prothioconazole and Its Metabolite Prothioconazole-Desthio: Aryl

- Hydrocarbon Receptor-Mediated Reproductive Disorders through in Vivo, in Vitro, and in Silico Studies. ENVIRON SCI TECHNOL. 2022;XXXX(XXX):XXX-XXX WB;Human. 36332113
- [IF=9.9] Yue Yang. et al. Urolithin A protects severe acute pancreatitis-associated acute cardiac injury by regulating mitochondrial fatty acid oxidative metabolism in cardiomyocytes. MedComm. 2023 Dec;4(6):e459 WB; Mouse. 38116065
- [IF=8.5] Liu-Lu Gao. et al. Acteoside suppresses hepatocellular carcinoma progression via modulation of macrophage migration inhibitory factor and mitogen-activated protein kinase proteins. INT J BIOL MACROMOL. 2025 Jun;:145579 WB;Human,Mouse. 40582652
- [IF=6.656] Muhammad Fakhar-e-Alam Kulyar. et al. Chlorogenic acid suppresses miR-460a in the regulation of Bcl-2, causing interleukin-1β reduction in thiram exposed chondrocytes via caspase-3/caspase-7 pathway. PHYTOMEDICINE. 2022 Sep;104:154296 WB,IF; Chicken. 35809377